



IFWO

RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/822,761

TIME: 10:59:38

Input Set : A:\2004-08-24 4533-0108PUS1.ST25.txt

Output Set: N:\CRF4\08272004\J822761.raw

4 <110> APPLICANT: Zhiqing Zhang et al.

6 <120> TITLE OF INVENTION: OLIGONUCLEOTIDES ANTAGONIST FOR HOMO SAPIENS TUMOR NECROSIS

FACTOR TNF -

7 ALPHA

9 <130> FILE REFERENCE: 4533-0108PUS1

11 <140> CURRENT APPLICATION NUMBER: US 10/822,761

12 <141> CURRENT FILING DATE: 2004-04-13

14 <160> NUMBER OF SEQ ID NOS: 33

16 <170> SOFTWARE: PatentIn version 3.1

18 <210> SEQ ID NO: 1

19 <211> LENGTH: 40

20 <212> TYPE: DNA

21 <213> ORGANISM: Homo sapiens

23 <400> SEQUENCE: 1

24 cgcgcgtaaa tcttcttctg ttaccctctc ttcattgtgc

40

27 <210> SEQ ID NO: 2

28 <211> LENGTH: 40

29 <212> TYPE: DNA

30 <213> ORGANISM: Homo sapiens

32 <400> SEQUENCE: 2

33 cgctggagga cgatgttaat tagaccgcaa ctacattgca

40

36 <210> SEQ ID NO: 3

37 <211> LENGTH: 40

38 <212> TYPE: DNA

39 <213> ORGANISM: Homo sapiens

41 <400> SEQUENCE: 3

42 cgatctacgt ggtgactcat acgtgtcgat gtgcctttcc

40

45 <210> SEQ ID NO: 4

46 <211> LENGTH: 40

47 <212> TYPE: DNA

48 <213> ORGANISM: Homo sapiens

50 <400> SEQUENCE: 4

51 gcacactaag tttctacacg tctcgtcgcc ctctttgtgc

40

54 <210> SEQ ID NO: 5

55 <211> LENGTH: 40

56 <212> TYPE: DNA

57 <213> ORGANISM: Homo sapiens

59 <400> SEQUENCE: 5

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63 <210> SEQ ID NO: 6

64 <211> LENGTH: 40

65 <212> TYPE: DNA

66 <213> ORGANISM: Homo sapiens

68 <400> SEQUENCE: 6

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69 cgggtgtcccg gcactttgat cgtcgacctg ttgtattgcc          40
72 <210> SEQ ID NO: 7
73 <211> LENGTH: 40
74 <212> TYPE: DNA
75 <213> ORGANISM: Homo sapiens
77 <400> SEQUENCE: 7
78 ggcggggtct ctaaagtgtg ttatcatctg cttgttgccc          40
81 <210> SEQ ID NO: 8
82 <211> LENGTH: 40
83 <212> TYPE: DNA
84 <213> ORGANISM: Homo sapiens
86 <400> SEQUENCE: 8
87 cactgtaatc agaggctttt ttactctcgc tgcattccgg          40
90 <210> SEQ ID NO: 9
91 <211> LENGTH: 40
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 9
96 gcccagcgtc cgacactaac tagtcgccaa acaatcagcc          40
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100 <211> LENGTH: 40
101 <212> TYPE: DNA
102 <213> ORGANISM: Homo sapiens
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111 <213> ORGANISM: Homo sapiens
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120 <213> ORGANISM: Homo sapiens
122 <400> SEQUENCE: 12
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127 <211> LENGTH: 40
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129 <213> ORGANISM: Homo sapiens
131 <400> SEQUENCE: 13
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137 <212> TYPE: DNA
138 <213> ORGANISM: Homo sapiens
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Input Set : A:\2004-08-24 4533-0108PUS1.ST25.txt

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144 <210> SEQ ID NO: 15
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155 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
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163 <211> LENGTH: 40
164 <212> TYPE: DNA
165 <213> ORGANISM: Homo sapiens
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173 <212> TYPE: DNA
174 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 18
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181 <211> LENGTH: 40
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183 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 19
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190 <211> LENGTH: 41
191 <212> TYPE: RNA
192 <213> ORGANISM: Homo sapiens
194 <400> SEQUENCE: 20
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201 <213> ORGANISM: Homo sapiens
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208 <211> LENGTH: 40
209 <212> TYPE: RNA
210 <213> ORGANISM: Homo sapiens
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216 <210> SEQ ID NO: 23

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217 <211> LENGTH: 40
218 <212> TYPE: RNA
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226 <211> LENGTH: 40
227 <212> TYPE: RNA
228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 24
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234 <210> SEQ ID NO: 25
235 <211> LENGTH: 40
236 <212> TYPE: RNA
237 <213> ORGANISM: Homo sapiens
239 <400> SEQUENCE: 25
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243 <210> SEQ ID NO: 26
244 <211> LENGTH: 39
245 <212> TYPE: RNA
246 <213> ORGANISM: Homo sapiens
248 <400> SEQUENCE: 26
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253 <211> LENGTH: 40
254 <212> TYPE: RNA
255 <213> ORGANISM: Homo sapiens
257 <400> SEQUENCE: 27
258 caugggcua g accggcauaa aacugcugua guugcacgcc      40
261 <210> SEQ ID NO: 28
262 <211> LENGTH: 40
263 <212> TYPE: RNA
264 <213> ORGANISM: Homo sapiens
266 <400> SEQUENCE: 28
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271 <211> LENGTH: 71
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Description of artificial sequence: synthetic
ligonucleotide
277 primer
280 <220> FEATURE:
281 <221> NAME/KEY: misc_feature
282 <222> LOCATION: (16)..(55)
283 <223> OTHER INFORMATION: n is a, c, g, or t
285 <400> SEQUENCE: 29
--> 286 gggaggacga tggtannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaagaa      60
288 gactcgcaag a      71

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291 <210> SEQ ID NO: 30
292 <211> LENGTH: 15
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Description of artificial sequence: synthetic
ligonucleotide
298     primer
300 <400> SEQUENCE: 30
301 gggaggacga tgtta
304 <210> SEQ ID NO: 31
305 <211> LENGTH: 16
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of artificial sequence: synthetic
ligonucleotide
311     primer
313 <400> SEQUENCE: 31
314 tcttgcgagt cttctt
317 <210> SEQ ID NO: 32
318 <211> LENGTH: 17
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Description of artificial sequence: synthetic
ligonucleotide
324     primer
326 <400> SEQUENCE: 32
327 taatacgact cactata
330 <210> SEQ ID NO: 33
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333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Description of artificial sequence: synthetic
ligonucleotide
337     primer
339 <400> SEQUENCE: 33
340 taatacgact cactataggg aggacgatgt ta

```

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:29; N Pos. 16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35 ✓

Seq#:29; N Pos. 36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55 ✓

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6

VERIFICATION SUMMARY

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Input Set : A:\2004-08-24 4533-0108PUS1.ST25.txt

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L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0